

ABSTRACT

A sintered body for thermistor element of the invention is a sintered body for thermistor element containing Sr, Y, Mn, Al, Fe, and O, wherein not only respective liquid crystal phases of a perovskite type oxide and a garnet type oxide are contained, but also a liquid crystal phase of at least one of an Sr-Al based oxide and an Sr-Fe based oxide. FeYO_3 and/or AlYO_3 is selected as the foregoing perovskite type oxide, and at least one member selected from $\text{Y}_3\text{Al}_5\text{O}_{12}$, $\text{Al}_2\text{Fe}_3\text{Y}_3\text{O}_{12}$, and $\text{Al}_3\text{Fe}_2\text{Y}_3\text{O}_{12}$ is selected as the foregoing garnet type oxide, respectively by the powder X-ray diffraction analysis.